

Arithmetic II

Text book: "Barron's Arithmetic - EZ", 5th Edition

Scope: Arithmetic II is a class for third grade to fifth grade students who have learned the basic math concepts including four major math operations, namely addition, subtraction, multiplication and division. It covers the textbook contents from Chapter 6 to Chapter 15 involving fractions, decimals, percents and measurements as well as their applications.

| Date | Major Topics |
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| ---- | <p>First Class/New Student Enrollment</p> <ul style="list-style-type: none"> • Get to Know Each Other • School and Class Policies • Test to See What You Know about Math |
| ---- | <p>Arithmetic I Review</p> <ul style="list-style-type: none"> • Test Review • Recommendations to Students/Parents for Class Adjustment Upon Individual Student Knowledge Level |
| ---- | <p>Chapter 6 The Important Parts – Fractions</p> <ul style="list-style-type: none"> • S6.1 What is a Fraction? • S6.2 The Language of a Fraction • S6.3 What Kinds of Fractions Are There? |
| ---- | <p>Chapter 6 The Important Parts – Fractions</p> <ul style="list-style-type: none"> • S6.4 Simplifying Fractions • S6.5 Equivalent Fractions • S6.6 Which Fraction is Larger or Smaller? |
| ---- | <p>Chapter 6 The Important Parts – Fractions</p> <ul style="list-style-type: none"> • S6.7 Changing Improper Fractions to Mixed Numbers • S6.8 Changing Mixed Numbers to Improper Fractions • Chapter Test 6 |
| ---- | <p>Chapter 7 Piece by Piece – Adding Fractions</p> <ul style="list-style-type: none"> • S7.1 Fractions Can be Added • S7.2 After Adding, What Next? • S7.3 Fractions Whose Sum is One • S7.4 Fractions Whose Sum is Greater Than One |
| ---- | <p>Chapter 7 Piece by Piece – Adding Fractions</p> <ul style="list-style-type: none"> • S.7.5 Mixed Numbers Can Also Be Added • S7.6 Mixed Numbers Whose Sum May Be Simplified • S7.7 Mixed Numbers Whose Fractional Parts Add Up to One • S7.8 Mixed Numbers with Fractional Parts Whose Sum is Greater Than One |
| ---- | <p>Chapter 7 Piece by Piece – Adding Fractions</p> <ul style="list-style-type: none"> • S7.9 Word Problems • S7.10 What About Those Denominators? • S7.11 Mixing Them All Up • S7.12 More Difficult Word Problems |

---- **Chapter 7 Piece by Piece – Adding Fractions**

- Chapter 7 Quiz

---- **Chapter 8 Subtracting Fractions**

- S8.1 Subtracting Fractions
- S8.2 After Subtracting, What Next?
- S8.3 Like Fractions Whose Difference is One or Greater Than One
- S8.4 Mixed Numbers Can Also Be Subtracted
- S8.5 Exchanging in Subtracting Fractions

---- **Chapter 8 Subtracting Fractions**

- S8.6 Exchanging in Subtracting Mixed Numbers (Like Denominators)
- S8.7 Word Problems
- S8.8 Subtracting Fractions with Unlike Denominators
- S8.9 Subtracting Mixed Numbers
- S8.10 Exchanging in Subtracting Mixed Numbers (Unlike Denominators)

---- **Chapter 8 Subtracting Fractions**

- S8.11 More Difficult Word Problems
- Chapter Test 8

---- **Chapter 9 Multiplying and Dividing Fractions**

- S9.1 The Product of Two Fractions
- S9.2 Cancellation
- S9.3 Finding Parts of Whole Numbers
- S9.4 Multiplying Three or More Fractions

---- **Chapter 9 Multiplying and Dividing Fractions**

- S9.5 Multiplying Mixed Numbers
- S9.6 Word Problems

---- **Chapter 9 Multiplying and Dividing Fractions**

- S9.7 The Quotient of Two Fractions
- S9.8 Dividing Mixed Numbers

---- **Chapter 9 Multiplying and Dividing Fractions**

- S9.9 Word Problems
- Chapter Test 9

---- **Chapter 10 What's the Point? Decimals**

- S10.1 Introducing Decimals
- S10.2 Reading and Writing Decimals

---- **Chapter 10 What's the Point? Decimals**

- S10.3 Which Fraction Equals Which Decimal?
- S10.4 Comparing Decimals

---- **Chapter 10 What's the Point? Decimals**

- S10.5 Rounding Off Decimals
- Chapter Test 10

---- **Chapter 11 Adding and Subtracting Decimals**

- S11.1 Adding Decimals
- S11.2 Adding Mixed Decimals
- S11.3 Word Problems Requiring the Addition of Decimals
- S11.4 Subtracting Decimals

- S11.5 Subtracting Mixed Decimals
- S11.6 Word Problems Requiring the Subtraction of Decimals

---- **Chapter 12 Multiplying Decimals**

- S12.1 Multiplying a Decimal by a Whole Number
- S12.2 Multiplying Decimal Numbers
- S12.3 Special Multipliers of 10, 100, 1000, and so on
- S12.4 Word Problems Requiring the Multiplication of Decimals

---- **Chapter 12 Multiplying Decimals**

- Chapter Test 12

---- **Chapter 13 Dividing Decimals**

- S13.1 Dividing a Decimal by a Whole Number
- S13.2 Zero as a Place Holder in the Quotient

---- **Chapter 13 Dividing Decimals**

- S13.3 Changing a Fraction into a Decimal
- S13.4 Dividing a Decimal by a Decimal
- S13.5 Zero as a Place Holder in the Dividend

---- **Chapter 13 Dividing Decimals**

- S13.6 Word Problems Requiring the Division of Decimals
- S13.7 Special Divisors of 10, 100, 1000, and so on

---- **Chapter 13 Dividing Decimals**

- S13.8 Changing a Decimal into a Fraction
- S13.9 Rewriting Decimals with Fractions

---- **Chapter 13 Dividing Decimals**

- S13.10 Word Problems Combining Fractions and Decimals
- Chapter Test 13

---- **Chapter 14 Percents**

- S14.1 Meaning of Percent
- S14.2 Changing Percents to Decimals

---- **Chapter 14 Percents**

- S14.3 Changing Decimals to Percents
- S14.4 Changing Percents to Fractions
- S14.5 Changing Fractions to Percents

---- **Chapter 14 Percents**

- S14.6 Finding a Percent of a Number
- S14.7 Finding the Percent That One Number is of Another

---- **Chapter 14 Percents**

- S14.8 Finding a Number When a Percent of It Is Known
- Chapter Test 14

---- **Chapter 15 Measurement**

- S15.1 Units of Measurement
- S15.2 Adding Measures
- S15.3 Subtracting Measures
- S15.4 Multiplying Measures
- S15.5 Dividing Measures

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- **Chapter 15 Measurement**
- S15.6 Word Problems Requiring Measures
- S15.7 Converting Metric Measures
- **Math Competition**
- **Semester Review**
- **Final Exam**
- **Grade and Math Fun and Parents Meeting**
- **Graduation Ceremony/Annual Picnic**